



Testing And Training For Readiness: Emerging Challenges, Opportunities And Requirements

4th Annual Symposium And Exhibition

Honorary Chairpersons:

Congressman John L. Mica
Congressman Ric Keller

Sponsored by

**NATIONAL DEFENSE INDUSTRIAL ASSOCIATION,
TEST & EVALUATION DIVISION**

In Cooperation with



THE OFFICE OF THE SECRETARY OF DEFENSE

U.S. ARMY SIMULATION, TRAINING AND INSTRUMENTATION COMMAND



NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION



MARINE CORPS SYSTEMS COMMAND, PM TRAINING SYSTEMS



AIR FORCE AGENCY FOR MODELING AND SIMULATION

NATIONAL TRAINING SYSTEMS ASSOCIATION





At the beautiful

**Rosen Centre Hotel
Orlando, Florida
August 13-16, 2001**

This Symposium and Exhibition is the fourth in a series dedicated to the development of 21st Century partnerships among government, industry, and academia in the areas of defense-related testing (DT, OT, and LFT) and training. Discussions will address topics vital to the successful conduct and execution of testing and training and their combined contributions to readiness, effectiveness, suitability, and survivability of our combat forces. Issues to be discussed include simulation, visualization, joint experimentation, field assessments, facility and range utilization, training equipment, and readiness implications. Other topics will include test and training policy, modeling and simulation capabilities, government-industry cooperative opportunities, augmented reality and virtual reality applications, and other topics of interest to the training, testing, acquisition, and readiness communities.

For further information contact:

Sam Campagna, NDIA, (703) 247-2544 or Rick Seymour, OSD, (703) 614-3991

Or visit either of these Web Sites:

www.ndia.org or www.dote.osd.mil/lfte

**Plan for Next Year's NDIA T&T Conference
Rosen Centre Hotel
August 19- 22, 2002
Orlando, Florida**

**TESTING AND TRAINING FOR READINESS:
EMERGING CHALLENGES, OPPORTUNITIES AND REQUIREMENTS
4th ANNUAL SYMPOSIUM AND EXHIBITION**

MONDAY, August 13



5:00 – 6:30pm **SYMPOSIUM REGISTRATION AND LIGHT REFRESHMENTS**
at the Rosen Centre Hotel, Orlando, FL
(EXHIBITS OPEN)
The Beautiful and Spacious Rosen Centre Hotel is located next to the Orange County Convention Center on International Drive in Orlando, Florida.

TUESDAY, August 14



7:00am **CONTINENTAL BREAKFAST AND LATE REGISTRATION**
at the Rosen Centre Hotel

8:00am **CALL TO ORDER AND REMARKS**
*Mr. Rick Seymour, Program Manager, Live Fire Testing and Training Program,
Deputy Director, Operational Test and Evaluation/Live Fire Test, Office of the
Secretary of Defense*

8:05am **WELCOME BY SYMPOSIUM CO-SPONSOR**
*Mr. C. Samuel Campagna, Director, National Defense Industrial Association
(NDIA)*

8:15am **WELCOME BY SYMPOSIUM HOSTS AND CHAIRMAN'S OVERVIEW OF
THE CONFERENCE: Testing and Training: The Time is Now**



*Mr. James F. O'Bryon, Deputy Director, Operational Test and Evaluation/Live
Fire Test, Office of the Secretary of Defense and Chairman, NDIA Test &
Evaluation Division*

8:30am **VIEWS FROM CONGRESS**

*Mr. Bill Sutey, Senior Legislative Aid for National Security Affairs, Office of
Senator Bill Nelson, Florida*

TUESDAY, August 14

8:35 am U.S. HOUSE OF REPRESENTATIVES ADDRESS: Welcome To Orlando



United States Congressman Richard "Ric" Keller (8th District, Florida)

8:55am U.S. HOUSE OF REPRESENTATIVES ADDRESS: Successful Testing and Training for our Armed Forces

Mr. Dick Harkey, District Representative, Office of Congressman John Mica

9:00am KEYNOTE: JOINT FORCES COMMAND PRIORITIES
Brigadier General James Smith, USAF, Vice Director of the Joint Training Analysis and Simulation Center, Joint Forces Command



**9:45am COFFEE BREAK & NETWORKING
(EXHIBITS OPEN)**

10:15am INDUSTRY'S VIEW OF TESTING AND TRAINING
Admiral Stan Arthur, USN (Ret.), President, Lockheed Martin Missiles and Fire Control- Orlando

Session I: Serving The Warfighter

11:00am A NATIONAL CONSORTIUM: TECHNOLOGY FOR THE WARFIGHTER
Mr. Russ Hauck, Director, National Center for Simulation



11:45am LUNCH
LUNCHEON SPEAKER:
Mr. Mark Norris, Lockheed Martin Company (Recovery Team Lead in Hainan, China for the EP3 incident)
(EXHIBITS OPEN)

1:30pm MARINE CORPS VISION: TESTING AND TRAINING FOR THE FUTURE
Dr. Michael Bailey, Principal Analyst, Modeling and Simulation, Marine Corps



**2:15pm COFFEE BREAK & NETWORKING
(EXHIBITS OPEN)**

TUESDAY, August 14

2:45pm TRAINING AND TESTING FOR FUTURE STRATEGIC ISSUES / FUTURE WARFARE [CIRCA 2025]

Dr. Dennis M. Bushnell, Chief Scientist, NASA Langley Research Center



5:30 RECEPTION
-7:00pm at the Rosen Centre Hotel

WEDNESDAY, August 15



7:00am CONTINENTAL BREAKFAST AND LATE REGISTRATION
at the Rosen Centre Hotel

8:00am CALL TO ORDER AND ADMINISTRATIVE REMARKS
Mr. Rick Seymour, Program Manager, Live Fire Testing and Training Program, Deputy Director, Operational Test and Evaluation/Live Fire Test, Office of the Secretary of Defense

Session II: The Future of Testing

8:05am THE PERSPECTIVE OF THE CHIEF TESTER
Mr. Lee Frame, Principle Deputy, Operational Test and Evaluation, Office of the Secretary of Defense

8:35am MODELING AND SIMULATION FOR TESTING AND TRAINING
Mr. Jack Sheehan, Program Manager, Knowledge Integration



10:00am COFFEE BREAK & NETWORKING (EXHIBITS OPEN)

10:30am SOFTWARE ORIENTED TEST AND EVALUATION
Mr. Gregory Daich, Senior Software Testing Consultant, Software Technology Support Center, Hill AFB

11:30am LUNCH
LUNCHEON SPEAKER:


Mr. Leslie D. Simon, Author, Net Policy.Com: Public Agenda for a Digital World
(EXHIBITS OPEN)




Book signing to follow luncheon

WEDNESDAY, August 15

Session III: Training Frontiers

- 1:00pm** **TRAINING AS SEEN FROM THE PENTAGON**
*Mr. Michael Parmentier, Director, Readiness and Training Policy and Programs,
Office of the Deputy Under Secretary of Defense (Readiness)*
- 1:30pm** **DEFENSE SCIENCE BOARD REPORT ON TRAINING SUPERIORITY AND
TRAINING SURPRISE**
*Dr. Joseph Braddock, Consultant, Defense Science Board
Dr. Ralph Chatham, Vice President, Dynamics Technology, Inc.*
- 2:00pm** **TRAINING AND THE FUTURE CLASSROOM**
*Mr. Paul Jesukiewicz, Director, Advanced Distributed Learning Co-Laboratory,
Alexandria, VA
Ms. Janet Weisenford, Director, Joint Advanced Distributed Learning Co-
Laboratory, Orlando, FL*
-  **2:45pm** **COFFEE BREAK & NETWORKING**
- 3:15pm** **SURFACE WARFARE DEVELOPMENT GROUP**
*Captain Ronald Peterman, USN, Commanding Officer of Navy Surface Warfare
Development Group, United States Navy*
- 3:45pm** **ROBOTICS AND UNMANNED VEHICLES: THE FUTURE**
*Mr. Bill Adams, Technical Director of Combat Developments, Maneuver Support
Center, Ft. Leonard Wood*
- 4:15pm** **A PRACTICAL APPROACH FOR THE 21st CENTURY**
*Mr. Dick Dickson, Navy GPS Program Manager for Range Applications, NAVAIR
Team, China Lake, CA*
- 5:15pm** **DINNER ON OWN**

THURSDAY, AUGUST 16

-  **7:00am** **CONTINENTAL BREAKFAST**
- 8:00am** **CALL TO ORDER AND ADMINISTRATIVE REMARKS**
*Mr. C. Samuel Campagna, Operations Director, National Defense Industrial
Association (NDIA)*

THURSDAY, AUGUST 16

8:05am USMC INFORMATION ASSURANCE OPERATIONAL TESTING AND TRAINING STRATEGY

*Colonel John R. Garvin, USMC, Director, Marine Corps Operational Test
Mr. Peter H. Christensen, Deputy Science Advisor, MCOTEA*

Session IV: Successful Test and Training Initiatives

8:40am LIVE FIRE TESTING AND TRAINING (LFT&T) PROGRAM

- **Overview:** *Mr. Rick Seymour, Program Manager, Live Fire Testing and Training Program, Deputy Director, Operational Test and Evaluation/Live Fire Test, Office of the Secretary of Defense*

- **Project Briefs:**

- Army Oversight:**

- *Exploiting Live Fire Data*
 - *Vulnerability / Lethality Metrics*
 - *Live Fire Advanced Concepts*
 - *Weapons Aimpoint Analysis And Training Tool*
 - ***Virtual Target Gunnery System***

- Navy Oversight:**

- *Augmented Reality For Ship Survivability*
 - *Augmented Reality For Damage Control*
 - *Shipboard Incident Management*
 - ***Virtual Target And Range System***
 - *Moving Weapons Platform Simulator*

- Marine Corps Oversight:**

- *Dismounted Infantryman Testbed*
 - ***Infrared Targets***
 - *MANPAD Test And Training Results*

- Air Force Oversight:**

- ***Missile Warning Sensor Stimulator***
 - *Synergistic Effects Of Almost Loss Of Consciousness / Situation Awareness*

10:00am BREAK IN THE EXHIBIT HALL

10:30am JOINT TEST AND TRAINING ROADMAPS

Mr. John Walsh, Assistant Director for Collective Training, Office of the Deputy Under Secretary of Defense (Readiness)

11:00am JOINT GULF RANGE STRATEGIC PLAN, TEST AND TRAINING FOR THE 21ST CENTURY

Mr. Robert Arnold, SL, Technical Director, 46th Test Wing, Eglin Air Force Base

THURSDAY, AUGUST 16

11:30am THE COMBINED CHESAPEAKE REGIONAL RANGES COOPERATIVE
Mr. Mark Rindler, CRR Operational Liaison

12:00pm LUNCH

1:30pm JOINT TESTING WITH JOINT TRAINING, A SUCCESS STORY
*Colonel David R. "Maggie" Brown, USAF, Director, Joint Close Air Support,
Joint Test and Evaluation, Office of the Secretary of Defense, JCAS Joint Test
Force*

2:00pm OPEN FORUM -- Current Challenges In Bringing Together Testing And Training
*Host: Mr. James F. O'Bryon, Deputy Director, Operational Test and Evaluation/Live
Fire Test, Office of the Secretary of Defense*

This interactive session is unique to the Conference in that it provides an opportunity for any conference participant to make a brief statement or recommendation or to pose frank questions to an open forum on any topic relevant to the agenda. During this meeting inputs will be collaborated into a cohesive white paper.

2:30pm CONFERENCE WRAP-UP AND ADJOURN



Mark Your Calendar for

**Developmental Testing:
A Time for Policy Change**

February 26 – 29, 2002

Hyatt, Savannah, Georgia